

## ABSTRACT OF THE DISCLOSURE

A tightly closed casing has an inside space for storing coolant gas. A block is accommodated in this casing. A motor includes a stator and a mover.  
5 A piston is connected to the mover of the motor. A movable element includes the mover of the motor and the piston. A stationary element includes the stator of the motor and the block. An elastic element has a portion fixed to the movable element and another portion fixed to the stationary element. A  
10 cylinder is shiftable in an axial direction with respect the block. A shifting device shifts the cylinder in the axial direction.